

Scoring Factor Reference Points

| Performance Measure Scoring Factor | Low End | High End |
|---|---------------------------------|------------------------|
| Aquatic Habitat | | |
| Delta | | |
| Transport Conditions (Feb-June unimpaired flow) | 2 million acre-feet | 5 million acre-feet |
| Shaded & Shallow Areas | 10,000 acres | 20,000 acres |
| Effects of Diversions | 50% loss | 10% loss |
| Salinity-Entrapment | 5,000 acres | 10,000 acres |
| Toxicity (concentrate on fish most sensitive life stage) | 5% time fatal | 1% time fatal |
| Primary Production | 1,000 grC/m2/yr | 2,000 grC/m2/yr |
| Upstream | | |
| Instream Flows | existing | 100% AFRP |
| Shaded Riparian | existing | 400 miles of stream |
| Diversions & Dams | 20% loss | 5% loss |
| Spawning Substrate (acres below dams) | 50% natural | 100% natural |
| Temperature & Toxicity | 5% time fatal | 1% time fatal |
| Wetland/Upland Habitat | | |
| Delta | | |
| | % of pre-settlement conditions: | |
| Tidal Wetlands | | |
| Freshwater | existing | 15,000 more acres |
| Brackish and Salt Tidal Wetland | existing | 5,000 more acres |
| Non-Tidal Wetlands | existing | 10,000 more acres |
| Terrestrial * | existing | 20,000 acres improved |
| Riparian | 10,000 acres | 25,000 acres |
| Upstream | | |
| Riparian | 110,000 acres | 200,000 acres |
| Wetland | 160,000 acres | 250,000 acres |
| * These habitat types include cropland and other habitats which were not part of the landscape prior to 1850. | | |
| Species of Interest | | |
| Salmonids | | |
| Chinook | | |
| Winter Run | existing | double '67-'91 average |
| Spring Run | existing | double '67-'91 average |
| Fall & Late Fall Runs | existing | double '67-'91 average |
| San Joaquin Fall Run | existing | double '67-'91 average |
| Steelhead | existing | double '67-'91 average |
| Other Anadromous | | |
| Shad | existing | double '67-'91 average |
| Sturgeon | existing | double '67-'91 average |
| Striped Bass | existing | double '67-'91 average |
| Estuarine Fish | | |
| Splittail | existing | non-jeopardy |
| Delta Smelt | existing | delisting |
| Longfin Smelt | existing | non-jeopardy |
| Wintering Wildlife | 64,000 acres | 70,000 acres |
| Terrestrial Species | | |
| Plants | existing | non-jeopardy |
| Animals | existing | non-jeopardy |
| Water Supply | | |
| Delta | | |

Scoring Factor Reference Points

| Performance Measure Scoring Factor | Low End | High End |
|--|--|---------------------------------------|
| Opportunity for Delta Diversions | -50,000 acre-feet | 0 acre-feet |
| Improved Inflow Timing (AF shifted without new facilities) | 0 acre-feet | 1 million acre-feet |
| Improve Average Year Inflow | 0 acre-feet | 500,000 acre-feet |
| Improve Dry Year Inflow | 0 acre-feet | 2 million acre-feet |
| Exports | | |
| Improved Timing and Transport Capability | 0 acre-feet | 500,000 acre-feet |
| Improve Water Supply Availability | 6.2 million acre-feet | 6.8 million acre-feet |
| Improve Water Supply Availability (Dry Year) | 3.5 million acre-feet | 5.1 million acre-feet |
| Water Supply Uncertainty | | |
| Delta | | |
| Short Term | -50,000 acre-feet | 0 acre-feet |
| Long Term | | |
| Exports | | |
| Short Term (ESA) | -250,000 acre-feet | 0 acre-feet |
| Long Term | -500,000 acre-feet | 0 acre-feet |
| Consumptive & Recreational WQ | | |
| Pathogens | significant risks | acceptable risks |
| Natural Organics(TOC) | 60mg/L TFPC | 30mg/L TFPC |
| Salinity (Ocean- and Land-Derived) | 300 ppm | 100 ppm |
| Suspended Sediments & Turbidity | 70 TU | 30 TU |
| Toxics & Carcinogens | MCLG exceedances | acceptable risks; no MCLG exceedances |
| Aesthetics, Nutrients and DO | existing | |
| Agriculture/Industrial Water Quality Requirements | <i>All measured with same reference points</i> | |
| North & Central Delta Service Areas | | |
| Western Delta Islands | \$100 million | Less than \$10 million |
| South Delta (inc SDWA) | annual loss | annual loss |
| Export Service Areas | | |
| Infrastructure, Resource/Land Use, and WQ Vulnerability | <i>All measured with same reference points</i> | |
| Ag Lands, Farms, Homes, Recr'n, Businesses | | |
| Utilities & Transportation Systems | Low End: 1/20-yr chance >\$200 million export interruption; along with 1/5-yr >\$30 million flood loss | |
| Terrestrial & Wetland Habitats | | |
| Delta Levee System | | |
| M&I and Ag WQ | High End: 1/100-yr chance of \$200 million export interruption; along with 1/100-yr chance of \$30 million flood loss | |
| Ecological WQ | | |